

What is claimed is:

1. A ultrasonic motor, comprising:
a piezoelectric vibrator for oscillating due to an input drive signal and generating a drive force; and
a support member for supporting the piezoelectric vibrator on a substrate; wherein
the support member has a signal transmission function to transmit the drive signal to the piezoelectric vibrator.
2. A ultrasonic motor according to claim 1, wherein the support member has elasticity, and the piezoelectric vibrator being press-contacted with a moving member by an elastic force of the support member.
3. A ultrasonic motor according to claim 1, wherein the support member has a constriction that is made thin than a portion connected to the piezoelectric vibrator.
4. A ultrasonic motor according to claim 1, wherein the support member is a part of the substrate.
5. A ultrasonic motor according to claim 4, wherein the piezoelectric vibrator is provided in a recess formed in the substrate.
6. A ultrasonic motor according to claim 4, wherein the piezoelectric vibrator is mounted on the support member.
7. A ultrasonic motor according to claim 1, wherein the support member is provided with at least one part of a drive circuit.

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8. A ultrasonic motor according to claim 1, wherein the support member supports the piezoelectric vibrator at a point corresponding to a node of vibration caused thereon.

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9. An electronic appliance having a ultrasonic motor according to claim 1.

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